

## SEQUENCE LISTING

IC01 Rec'd PCT/PTO 08 DEC 2000

<110> FUSO PHARMACEUTICAL INDUSTRIES, LTD.

<120> Antibody Specific for Phosphatase Subunit of LAR

<130> 99P133W0

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<212> DNA

<213> Homo Sapiens

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<222> (6)..(1826)

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<222> (213)..(953)

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<223> Phosphatase Domain 2

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<308> DDBJ/EMBL/GenBank Accession No. Y00815

<309> 1995-09-19

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Met Arg Arg Leu Asn Tyr Gln Thr Pro Gly Met Arg Asp His Pro Pro	
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atc ccc atc acc gac ctg gcg gac aac atc gag cgc ctc aaa gcc aac	146
Ile Pro Ile Thr Asp Leu Ala Asp Asn Ile Glu Arg Leu Lys Ala Asn	
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gat ggc ctc aag ttc tcc cag gag tat gag tcc atc gac cct gga cag	194
Asp Gly Leu Lys Phe Ser Gln Glu Tyr Glu Ser Ile Asp Pro Gly Gln	
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Arg Tyr Ala Asn Val Ile Ala Tyr Asp His Ser Arg Val Ile Leu Thr	
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Pro Glu Thr Met Gly Asp Phe Trp Arg Met Val Trp Glu Gln Arg Thr	
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Ala Thr Val Val Met Met Thr Arg Leu Glu Glu Lys Ser Arg Val Lys	
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Cys Asp Gln Tyr Trp Pro Ala Arg Gly Thr Glu Thr Cys Gly Leu Ile	

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Gln Val Thr Leu Leu Asp Thr Val Glu Leu Ala Thr Tyr Thr Val Arg				
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Thr Phe Ala Leu His Lys Ser Gly Ser Ser Glu Lys Arg Glu Leu Arg				
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Gln Phe Gln Phe Met Ala Trp Pro Asp His Gly Val Pro Glu Tyr Pro				
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Asp Ala Gly Pro Met Val Val His Cys Ser Ala Gly Val Gly Arg Thr				
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Gly Cys Phe Ile Val Ile Asp Ala Met Leu Glu Arg Met Lys His Glu				
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Lys Thr Val Asp Ile Tyr Gly His Val Thr Cys Met Arg Ser Gln Arg				
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Asn Tyr Met Val Gln Thr Glu Asp Gln Tyr Val Phe Ile His Glu Ala				
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<222> (4193).. (6061)

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&lt;308&gt; DDBJ/EMBL/GenBank Accession No.Y00815

&lt;309&gt; 1995-09-19

&lt;400&gt; 3

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Ile Tyr Glu Cys Thr Ala Thr Asn Ser Leu Gly Glu Ile Asn Thr Ser
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 Thr Val Val Phe Arg Asp Ile Asn Ser Gln Gln Glu Leu Gln Asn Ile  
 930 935 940  
 acg aca gac acc cgc ttt acc ctt act ggc ctc aag cca gac acc act 3289  
 Thr Thr Asp Thr Arg Phe Thr Leu Thr Gly Leu Lys Pro Asp Thr Thr  
 945 950 955  
 tac gac atc aag gtc cgc gca tgg acc agc aaa ggc tct ggc cca ctc 3337  
 Tyr Asp Ile Lys Val Arg Ala Trp Thr Ser Lys Gly Ser Gly Pro Leu  
 960 965 970  
 agc ccc agc atc cag tcc cgg acc atg ccg gtg gag caa gtg ttt gcc 3385

Ser Pro Ser Ile Gln Ser Arg Thr Met Pro Val Glu Gln Val Phe Ala  
 975 980 985  
 aag aac ttc cgg gtg gcg gct gca atg aag acg tct gtg ctg ctc agc 3433  
 Lys Asn Phe Arg Val Ala Ala Ala Met Lys Thr Ser Val Leu Leu Ser  
 990 995 1000 1005  
 tgg gag gtt ccc gac tcc tat aag tca gct gtg ccc ttt aag att ctg 3481  
 Trp Glu Val Pro Asp Ser Tyr Lys Ser Ala Val Pro Phe Lys Ile Leu  
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 tac aat ggg cag agt gtg gag gtg gac ggg cac tcg atg cgg aag ctg 3529  
 Tyr Asn Gly Gln Ser Val Glu Val Asp Gly His Ser Met Arg Lys Leu  
 1025 1030 1035  
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 Ile Ala Asp Leu Gln Pro Asn Thr Glu Tyr Ser Phe Val Leu Met Asn  
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 Arg Gly Ser Ser Ala Gly Gly Leu Gln His Leu Val Ser Ile Arg Thr  
 1055 1060 1065  
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 Ala Pro Asp Leu Leu Pro His Lys Pro Leu Pro Ala Ser Ala Tyr Ile  
 1070 1075 1080 1085  
 gag gac ggc cgc ttc gat ctc tcc atg ccc cat gtg caa gac ccc tcg 3721  
 Glu Asp Gly Arg Phe Asp Leu Ser Met Pro His Val Gln Asp Pro Ser  
 1090 1095 1100  
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 Leu Val Arg Trp Phe Tyr Ile Val Val Val Pro Ile Asp Arg Val Gly  
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 Gly Ser Met Leu Thr Pro Arg Trp Ser Thr Pro Glu Glu Leu Glu Leu  
 1120 1125 1130  
 gac gag ctt cta gaa gcc atc gag caa ggc gga gag gag cag cgg cgg 3865  
 Asp Glu Leu Leu Glu Ala Ile Glu Gln Gly Gly Glu Glu Gln Arg Arg  
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Arg Arg Arg Gln Ala Glu Arg Leu Lys Pro Tyr Val Ala Ala Gln Leu  
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 Asp Val Leu Pro Glu Thr Phe Thr Leu Gly Asp Lys Lys Asn Tyr Arg  
 1170 1175 1180  
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 Gly Phe Tyr Asn Arg Pro Leu Ser Pro Asp Leu Ser Tyr Gln Cys Phe  
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 Val Leu Ala Ser Leu Lys Glu Pro Met Asp Gln Lys Arg Tyr Ala Ser  
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 Ser Pro Tyr Ser Asp Glu Ile Val Val Gln Val Thr Pro Ala Gln Gln  
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 Gln Glu Glu Pro Glu Met Leu Trp Val Thr Gly Pro Val Leu Ala Val  
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 Ile Leu Ile Ile Leu Ile Val Ile Ala Ile Leu Leu Phe Lys Arg Lys  
 1250 1255 1260  
 agg acc cac tct ccg tcc tct aag gat gag cag tcg atc gga ctg aag 4249  
 Arg Thr His Ser Pro Ser Ser Lys Asp Glu Gln Ser Ile Gly Leu Lys  
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 Asp Ser Leu Leu Ala His Ser Ser Asp Pro Val Glu Met Arg Arg Leu  
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 Asn Tyr Gln Thr Pro Gly Met Arg Asp His Pro Pro Ile Pro Ile Thr  
 1295 1300 1305  
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 Asp Leu Ala Asp Asn Ile Glu Arg Leu Lys Ala Asn Asp Gly Leu Lys  
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Phe Ser Gln Glu Tyr Glu Ser Ile Asp Pro Gly Gln Gln Phe Thr Trp  
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 Val Pro Gly Ser Asp Tyr Ile Asn Ala Asn Tyr Ile Asp Gly Tyr Arg  
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 Lys Gln Asn Ala Tyr Ile Ala Thr Gln Gly Pro Leu Pro Glu Thr Met  
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 Trp Pro Ala Arg Gly Thr Glu Thr Cys Gly Leu Ile Gln Val Thr Leu  
 1440 1445 1450  
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 Leu Asp Thr Val Glu Leu Ala Thr Tyr Thr Val Arg Thr Phe Ala Leu  
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 His Lys Ser Gly Ser Ser Glu Lys Arg Glu Leu Arg Gln Phe Gln Phe  
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 Met Ala Trp Pro Asp His Gly Val Pro Glu Tyr Pro Thr Pro Ile Leu  
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Ala Phe Leu Arg Arg Val Lys Ala Cys Asn Pro Leu Asp Ala Gly Pro  
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 Val Ile Asp Ala Met Leu Glu Arg Met Lys His Glu Lys Thr Val Asp  
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 Ile Tyr Gly His Val Thr Cys Met Arg Ser Gln Arg Asn Tyr Met Val  
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 Gln Thr Glu Asp Gln Tyr Val Phe Ile His Glu Ala Leu Leu Glu Ala  
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 Phe Ile Ser Ala Asn Leu Pro Cys Asn Lys Phe Lys Asn Arg Leu Val  
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 Asn Ile Met Pro Tyr Glu Leu Thr Arg Val Cys Leu Gln Pro Ile Arg  
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Ala Met Val Gln Thr Glu Asp Gln Tyr Gln Leu Cys Tyr Arg Ala Ala  
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1870 1875 1880  
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